8-Port 10/100/1000Mbps Web Smart Gigabit Ethernet Switch

The GSD-800S is a 8-Port 10/100/1000Mbps Ethernet switch, utilizing a compact form factor which can be mounted in a 10-inch rack or placed on desktop. With optional rack-mounting kits, it can also be installed in a 19-inch rack. The GSD-800S provides a console interface for basic switch management such as port speed, duplex, flow control settings, VLAN, port mirroring, port trunking and port priority.

With a 16Gbps non-blocking, 8k MAC Address table, and 802.3x, full-duplex flow control, the GSD-800S offers wire-speed packet transfer performance without risk of packet loss.

All eight RJ-45 copper interfaces support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. MDI/MDI-X auto detection is provided for wired connection to any Ethernet device without requiring cross-over cables.

Key Feature

- Complies with IEEE802.3, 10Base-T, IEEE802.3u, 100Base-TX and IEEE802.3ab, 1000Base-T
- IEEE802.3x, full-duplex flow control compliant; back-pressure, half-duplex flow control
- 10/100/1000Mbps 8-port Ethernet / Smart Switch (RJ-45)
- 8K MAC address table, auto-ageing
- Per port Auto-MDI, MDI-X detection
- Store and Forward switching architecture
- Non-blocking switch fabric
- Automatic source address learning and aging
- RS-232 console interface for console program management of smart feature
- Port trunking support to optionally increase bandwidth between switches
- VLAN support with up to 8 VLAN groups
- 4 Classes of Service selectable on a per port basis and/or checked by IP ToS header
- Supports Port mirroring for port traffic diagnosis with sniffer programs
- 10", 1U height rack mounting size
- 100~240VAC, 50~60Hz universal power input

Specification

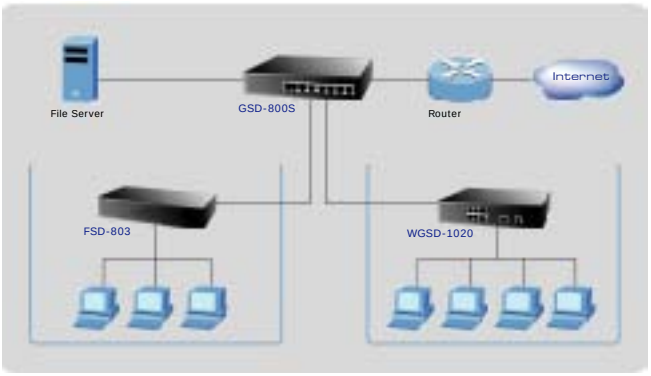
Product	8-Port 10/100/100Mbps Web Smart Gigabit Ethernet Switch
Model	GSD-800S
Hardware	
Network Ports	8-Port 10/100/1000Base-T auto MDI/MDI-X
Console Port	1 RS-232 DB-9 male
Dimensions (W x D x H)	217 x 135 x 43.5 mm, 1U height
Weight	1.1kg
Power Requirement	100~240 VAC, 50/60Hz
Power Consumption	21 Watts maximum, 71 BTU/hr
Switch Specification	
Switch Architecture	Store-and-forward
Mac Address Table	8K entries, auto learning/aging
Flow Control	Back pressure for half duplex, IEEE802.3x for full duplex
Packet Control	Runt & CRC filtering, Broadcast storm control
Switch Fabric	16G

Management Functions	
Port Configuration	Configure the Port-speed, duplex mode and flow control
VLAN	Up to 8 VLAN groups
Link Aggregation	2 trunk groups
Quality of Service	4 priority queues
Port Mirror	Monitor the ingress/egress traffic of port
Standards Conformance	
Network Standards	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab IEEE8023x (flow control)
Operation Temperature	0~50°C
Storage Temperature	-40~70°C
Humidity	10% to 90% (Non-condensing)
Regulation Compliance	FCC, CE

Applications

Backbone Switch

With a non-blocking design and compact size, PLANET's GSD-800S and GSD-800 8-Port gigabit Ethernet switch are as easy as install a Fast Ethernet network, and can be used to build a Gigabit high-bandwidth switched network up quickly and easily. With supports for VLAN and port trunking on the GSD-800S, you can directly connect to department switches and /or backbone servers.



Ordering Information

GSD-800S	8-Port 10/100/1000Mbps Web Smart Gigabit Ethernet Switch
RKE-10A	Rack Mount Kits for 10" cabinet
RKE-10B	Rack Mount Kits for 19" cabinet

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